L Number	Hits	Search Text	DB	Time stamp
1	1086	((138/125) or (138/153) or (138/104)).CCLS.	USPAT;	2004/06/30 12:18
•	1004	(420/26.01) 001.0	US-PGPUB	2004/06/20 12 10
2	1084	(428/36.91).CCLS.	USPAT;	2004/06/30 12:18
,	274	(129/120) (701.9	US-PGPUB	2004/06/30 12:29
3	274	(138/130).CCLS.	USPAT; US-PGPUB	2004/00/30 12.29
4	579	(138/122).CCLS.	USPAT;	2004/06/30 12:29
7	3,7	(130/122).0015.	US-PGPUB	200 1/00/30 12:27
5	2652	(((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:29
·		((428/36.91).CCLS.) or ((138/122).CCLS.)	US-PGPUB	
6	2599	(((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:30
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not ((138/130).CCLS.)	US-PGPUB	
7	632805	shaft	USPAT;	2004/06/30 12:30
			US-PGPUB	
8	227535	helical or spiral	USPAT;	2004/06/30 12:30
	1000460		US-PGPUB	2004/06/20 12 20
9	1908462	crossed or cross or overlapping or overlapped	USPAT; US-PGPUB	2004/06/30 12:30
10	294782	reinforc\$	USPAT;	2004/06/30 12:31
10	234762	Tennoico	US-PGPUB	2004/00/30 12.31
11	1030	(helical or spiral) same (crossed or cross or overlapping or	USPAT;	2004/06/30 12:31
• •	1050	overlapped) same reinforc\$	US-PGPUB	
12	282	shaft and ((helical or spiral) same (crossed or cross or overlapping	USPAT;	2004/06/30 12:31
		or overlapped) same reinforc\$)	US-PGPUB	
13	105	(shaft and ((helical or spiral) same (crossed or cross or overlapping	USPAT;	2004/06/30 12:38
		or overlapped) same reinforc\$)) and rib\$	US-PGPUB	
14	177	(shaft and ((helical or spiral) same (crossed or cross or overlapping	USPAT;	2004/06/30 12:45
		or overlapped) same reinforc\$)) not ((shaft and ((helical or spiral)	US-PGPUB	
	-	same (crossed or cross or overlapping or overlapped) same		
15	297	reinforc\$)) and rib\$) ((helical or spiral) same (crossed or cross or overlapping or	USPAT;	2004/06/30 12:45
13	291	overlapped) same reinforc\$) and rib\$	US-PGPUB	2004/00/30 12.43
16	192	(((helical or spiral) same (crossed or cross or overlapping or	USPAT;	2004/06/30 12:50
	.,2	overlapped) same reinforc\$) and rib\$) not (shaft and ((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))		
17	11	("2747007" "2896006" "3224905" "3266935" "3287248"	USPAT	2004/06/30 12:49
		"3503807" "3619319" "3972728" "4048399" "4140839"		
		"4144115").PN.		
18	474	(((helical or spiral) same (crossed or cross or overlapping or	USPAT;	2004/06/30 12:50
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed or cross or overlapping or overlapped) same	US-PGPUB	
		reinforc\$))		
19	742	((((helical or spiral) same (crossed or cross or overlapping or	USPAT;	2004/06/30 12:50
17	, , <u>.</u>	overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.)		
20	2569	(((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:50
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not ((((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or	-	
21	602	((138/130).CCLS.)) (((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:50
۷1	002	((((138/123) of (138/133) of (138/104)).CCLS.) of ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	2004/00/30 12.30
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (helical or spiral)		

22	1440	((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:51
22	1440	((((138/123) of (138/133) of (138/104)).CCLS.) of (((((helical or	US-PGPUB	2004/00/30 12.31
		spiral) same (crossed or cross or overlapping or overlapped) same	05-1 01 01	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)		
23	762	(((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:51
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		~-
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or		ļ
		overlapped)) and reinforc\$		
24	45	(((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:51
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
]	reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		ļ
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or	{	
		overlapped)) and ((helical or spiral) same (crossed or cross or		
25	45	overlapping or overlapped) same reinforc\$) (((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 12:53
23	43	((((138/123) of (138/133) of (138/104)).CCLS.) of (((((helical or	US-PGPUB	2004/00/30 12.33
		spiral) same (crossed or cross or overlapping or overlapped) same	03-10101	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
	į	or overlapping or overlapped) same reinforc\$)		
26	557	(((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 13:09
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
ļ		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (helical or spiral)) not (((((138/125) or		
		(138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or		
		((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$) and rib\$) or (shaft		
		and ((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$))) or ((138/130).CCLS.))) and ((helical		
		or spiral) same (crossed or cross or overlapping or overlapped) same reinforc\$))		
27	8	("0219596" "0882292" "1011090" "2747616" "2934096"	USPAT	2004/06/30 13:08
2 '		"3166319" "3177900" "3500867").PN.	ODIAI	2007/00/30 13.00
28	602	((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 13:09
20	002	(((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	200 1/00/30 13:07
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (helical or spiral)) or ((((((138/125) or		
		(138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or		
	,	((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$) and rib\$) or (shaft		
		and ((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$))) or ((138/130).CCLS.))) and ((helical		
		or spiral) same (crossed or cross or overlapping or overlapped) same		
]	reinforc\$))		

29	438	((((((((138/125) or (138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	USPAT; US-PGPUB	2004/06/30 13:14
		spiral) same (crossed or cross or overlapping or overlapped) same	03-1010	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)) and reinforc\$) not (((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (helical or spiral)) or ((((((138/125) or (138/153) or (138/104)).CCLS.)) or		
		(((((136/125) of (136/135) of (136/104)).CCLS.) of (((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$)))		
30	1040	(((((((138/125) or (138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	USPAT; US-PGPUB	2004/06/30 13:15
		spiral) same (crossed or cross or overlapping or overlapped) same	05-1 01 01	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or ((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)) and reinforc\$) or (((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.))		
		not ((((((helical or spiral) same (crossed or cross or overlapping or overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (helical or spiral)) or (((((((138/125) or (138/153) or (138/104)).CCLS.)) or		
		(((((138/123) of (138/133) of (138/104)).CCLS.) of (((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or		:
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$)))	**************************************	
31	510	((((((138/125) or (138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	USPAT; US-PGPUB	2004/06/30 13:20
		spiral) same (crossed or cross or overlapping or overlapped) same	00-1 01 01	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or ((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)) not (((((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (crossed or cross or overlapping or overlapped)) and reinforc\$) or ((((((138/125) or		
:		(138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or		
		((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$))) or ((138/130).CCLS.))) and (helical		
		or spiral)) or ((((((138/125) or (138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or ((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$))))		

32	1550	(((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 13:20
-	1000	((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	2004/00/30 13:20
		spiral) same (crossed or cross or overlapping or overlapped) same	OB T GI OB	
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed	İ	
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)) or ((((((((138/125) or (138/153) or (138/104)).CCLS.)	Ì	
		or ((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and (crossed or cross or overlapping or		
		overlapped)) and reinforc\$) or ((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.))		
		not (((((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (helical or spiral)) or		
		(((((((138/125) or (138/153) or (138/104)).CCLS.) or		
		(((428/36.91).CCLS.) or ((138/122).CCLS.)) not ((((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$))))		
33	1019	((((((138/125) or (138/153) or (138/104)).CCLS.) or	USPAT;	2004/06/30 13:20
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or	US-PGPUB	
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) not (((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.))		
		not (((((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (crossed or cross or		
		overlapping or overlapped)) or (((((((138/125) or (138/153) or		
		(138/104)).CCLS.) or ((428/36.91).CCLS.) or ((138/122).CCLS.))		
		not (((((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$) and rib\$) or (shaft and ((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$))) or ((138/130).CCLS.))) and (crossed or cross or		
		overlapping or overlapped)) and reinforc\$) or (((((((138/125) or		
		(138/153) or (138/104)).CCLS.) or ((428/36.91).CCLS.) or		
		((138/122).CCLS.)) not (((((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$) and rib\$) or (shaft		
		and ((helical or spiral) same (crossed or cross or overlapping or		
		overlapped) same reinforc\$))) or ((138/130).CCLS.))) and (helical		
		or spiral)) or ((((((138/125) or (138/153) or (138/104)).CCLS.) or		
		((428/36.91).CCLS.) or ((138/122).CCLS.)) not (((((helical or		
		spiral) same (crossed or cross or overlapping or overlapped) same		
		reinforc\$) and rib\$) or (shaft and ((helical or spiral) same (crossed		
		or cross or overlapping or overlapped) same reinforc\$))) or		
		((138/130).CCLS.))) and ((helical or spiral) same (crossed or cross		
		or overlapping or overlapped) same reinforc\$)))))	7 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	